

Power Control & Monitoring System for Gas Production Platform

Location: Alpharetta, Georgia
Technology: Siemens
Purchaser: Siemens ACCESS Group
Purchase Value: > \$100,000

REFERENCE

Project Description

INP participated in developing India's first deepwater gas field KG-D6 in the Bay of Bengal. KG-D6 is among the five largest deepwater gas projects globally.

The 9,015t platform jacket was manufactured as part of an engineering, procurement, construction, and installation contract by J Ray McDermott. The power distribution for medium and low voltage was subcontracted to Siemens.

INP engineered, built and commissioned a Power Monitoring and Control System (PCMS) for the platform consisting of a redundant Siemens PLC control system, an ACCESS based HMI to monitor and control power consumption and three interface cabinets between the PLC, the breakers and an external DCS.

As a key element of the Power Distribution the PCMS was designed as a distributed system that is located in two different buildings. It monitors the two sub sea 11KV power supply cables and changes power distribution in case one of the cables fails. A generator set kicks in if both cables lose power and the PCMS manages power distribution accordingly.

